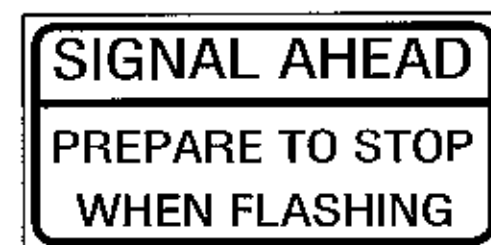


MD 45 IS ASSUMED TO RUN
IN A NORTH SOUTH DIRECTION

10



W3-3(2)
120" x 60"

11a, 11b, 12a, 12b

Ridgebrook Rd.

D-3(2)
VAR. x 16"
Dual Face

13

York Rd.

D-3(2)
VAR. x 16"

14



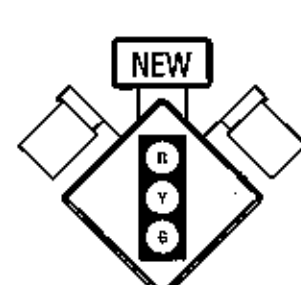
ASSOCIATED
SHIELD
ASSEMBLY
48"x75"

15



ASSOCIATED
SHIELD
ASSEMBLY
36"x51"

16, 17



W3-3
36"x36"

Place 500' prior to
intersection along MD45

UTILITY CLEARANCES

PRIMARY	50'
PRIMARY	33'
ABANDON SECONDARY	26'9"
NETURAL	26'9"

EXISTING SIGN

18



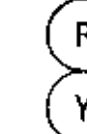
PROPOSED SIGNALS

1, 2



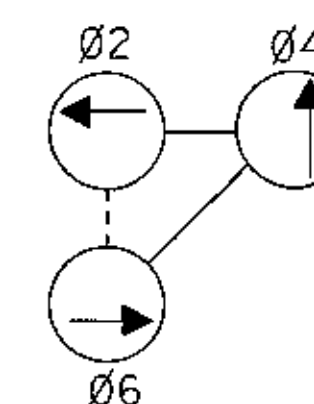
12"

3-9



12"

NEMA PHASING



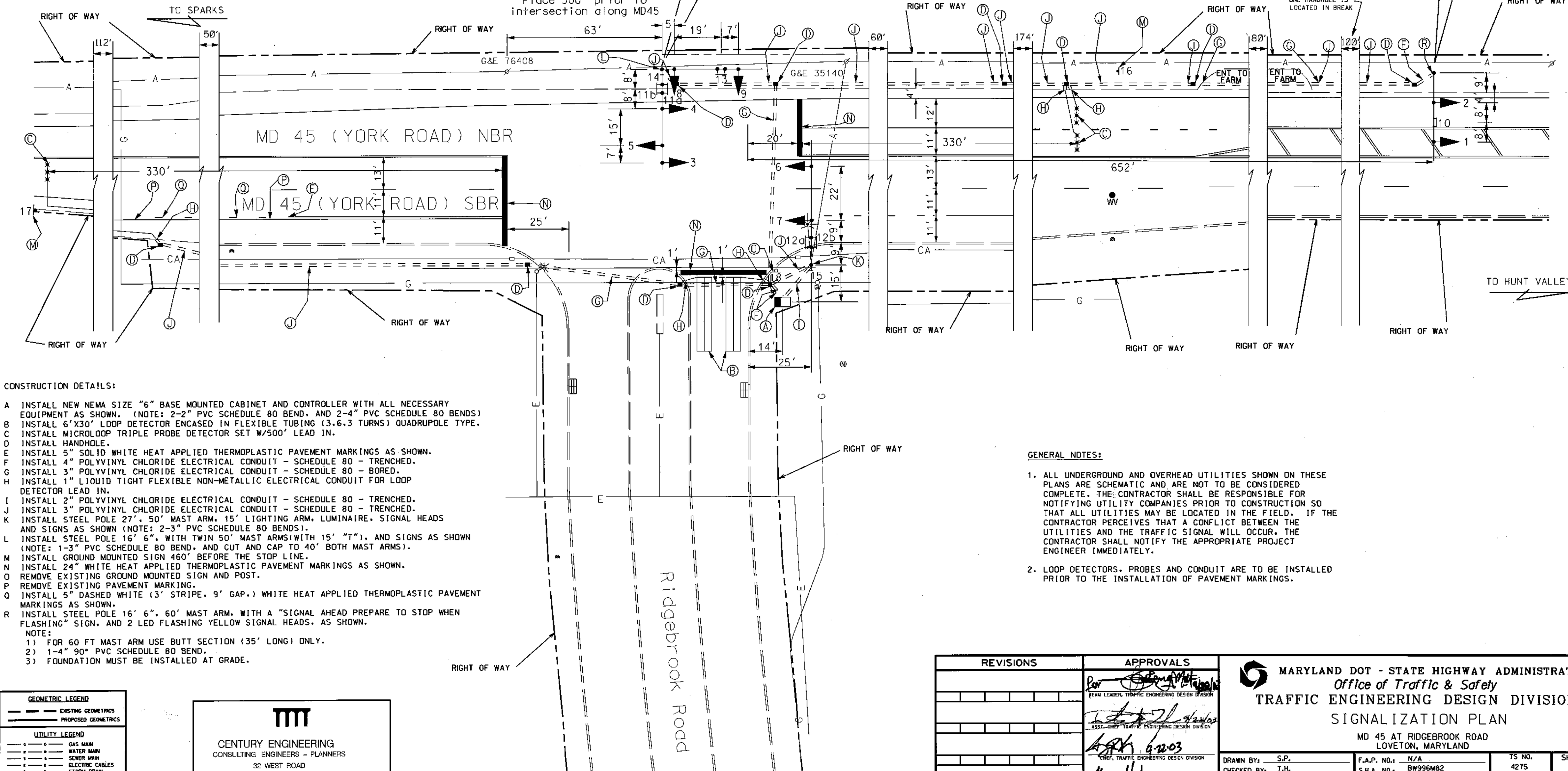
FLASHING
OPERATION



PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

UTILITY CLEARANCES

PRIMARY	50'
PRIMARY	38'
PRIMARY	29'
NETURAL	24'



CONSTRUCTION DETAILS:

- INSTALL NEW NEMA SIZE "6" BASE MOUNTED CABINET AND CONTROLLER WITH ALL NECESSARY EQUIPMENT AS SHOWN. (NOTE: 2-2" PVC SCHEDULE 80 BEND, AND 2-4" PVC SCHEDULE 80 BENDS)
 - INSTALL 6'X30' LOOP DETECTOR ENCASED IN FLEXIBLE TUBING (3.6.3 TURNS) QUADRUPOLE TYPE.
 - INSTALL MICROLOOP TRIPLE PROBE DETECTOR SET W/500' LEAD IN.
 - INSTALL HANDHOLE.
 - INSTALL 5" SOLID WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.
 - INSTALL 4" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - TRENCHED.
 - INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - BORED.
 - INSTALL 1" LIQUID TIGHT FLEXIBLE NON-METALLIC ELECTRICAL CONDUIT FOR LOOP DETECTOR LEAD IN.
 - INSTALL 2" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - TRENCHED.
 - INSTALL 3" POLYVINYL CHLORIDE ELECTRICAL CONDUIT - SCHEDULE 80 - TRENCHED.
 - INSTALL STEEL POLE 27' 6", 50' MAST ARM, 15' LIGHTING ARM, LUMINAIRE, SIGNAL HEADS AND SIGNS AS SHOWN (NOTE: 2-3" PVC SCHEDULE 80 BENDS).
 - INSTALL STEEL POLE 16' 6", WITH TWIN 50' MAST ARMS (WITH 15' "T"), AND SIGNS AS SHOWN (NOTE: 1-3" PVC SCHEDULE 80 BEND, AND CUT AND CAP TO 40' BOTH MAST ARMS).
 - INSTALL GROUND MOUNTED SIGN 460' BEFORE THE STOP LINE.
 - INSTALL 24" WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.
 - REMOVE EXISTING GROUND MOUNTED SIGN AND POST.
 - REMOVE EXISTING PAVEMENT MARKING.
 - INSTALL 5" DASHED WHITE (3' STRIPE, 9' GAP,) WHITE HEAT APPLIED THERMOPLASTIC PAVEMENT MARKINGS AS SHOWN.
 - INSTALL STEEL POLE 16' 6", 60' MAST ARM, WITH A "SIGNAL AHEAD PREPARE TO STOP WHEN FLASHING" SIGN, AND 2 LED FLASHING YELLOW SIGNAL HEADS, AS SHOWN.
- NOTE:
- FOR 60 FT MAST ARM USE BUTT SECTION (35' LONG) ONLY.
 - 1-4" 90° PVC SCHEDULE 80 BEND.
 - FOUNDATION MUST BE INSTALLED AT GRADE.

GENERAL NOTES:

- ALL UNDERGROUND AND OVERHEAD UTILITIES SHOWN ON THESE PLANS ARE SCHEMATIC AND ARE NOT TO BE CONSIDERED COMPLETE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES PRIOR TO CONSTRUCTION SO THAT ALL UTILITIES MAY BE LOCATED IN THE FIELD. IF THE CONTRACTOR PERCEIVES THAT A CONFLICT BETWEEN THE UTILITIES AND THE TRAFFIC SIGNAL WILL OCCUR, THE CONTRACTOR SHALL NOTIFY THE APPROPRIATE PROJECT ENGINEER IMMEDIATELY.
- LOOP DETECTORS, PROBES AND CONDUIT ARE TO BE INSTALLED PRIOR TO THE INSTALLATION OF PAVEMENT MARKINGS.

GEOMETRIC LEGEND

EXISTING GEOMETRICS
PROPOSED GEOMETRICS

UTILITY LEGEND

GAS MAIN
WATER MAIN
SEWER MAIN
ELECTRIC CABLES
STORM DRAIN
AERIAL CABLES
TELEPHONE CABLES



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32 WEST ROAD
TOWSON, MARYLAND 21204
www.Centuryeng.com

REVISIONS

APPROVALS

TEAM LEADER, TRAFFIC ENGINEERING DESIGN DIVISION
ASSIST. CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
CHIEF, TRAFFIC ENGINEERING DESIGN DIVISION
DIRECTOR, TRAFFIC & SAFETY



MARYLAND DOT - STATE HIGHWAY ADMINISTRATION
Office of Traffic & Safety
TRAFFIC ENGINEERING DESIGN DIVISION
SIGNALIZATION PLAN

MD 45 AT RIDGEBROOK ROAD
LOVETON, MARYLAND

DRAWN BY: S.P.	F.A.P. NO.: N/A	TS NO. 4275	SHEET NO. 1 OF 2
CHECKED BY: T.H.	S.H.A. NO.: BW996M82	T.I.M.S. NO. F590	
SCALE: 1" = 20'	COUNTY: BALTIMORE		
DATE: 6-20-03	LOG MILE: 03004511.60		

THIS IS WHERE YOUR \$ FILE NAME \$ WILL \$ PLOT THIS \$ SPACE \$ IS \$ FOR \$ THE \$ DATE